

Claims

1. System comprising

at least one content server with at least one processor, means for storing data as well as at least one network interface,

at least one terminal device with at least one processor, internal means for storing data as well as at least one network interface, as well as

one network, by means of which the at least one content server and the at least one terminal device are in data connection by means of the respective network interfaces, wherein,

on the content server there is provided a management data processing program which makes specific audio files available to specific terminal devices, wherein

the at least one terminal device is provided with a media output channel for the output of audio files, and wherein

the at least one terminal device periodically and self-dependently gets/fetches from the content server the audio files which are made available specifically for the terminal device by means of a TCP/IP protocol, or updates them, respectively, and wherein the terminal device outputs these files depending on a direction protocol which is saved in the terminal device, in particular and preferentially continually, and if need be in repetition or only once, by means of the media output channel.

2. System according to claim 1, wherein the network and/or the network connection is wire technology or wireless technology.

3. System according to any of the preceding claims, wherein the network connection is a modem (direct line or dial up).
4. System according to any of the preceding claims, wherein the terminal device automatically dials a point of presence (POP) via modem for establishing a network connection.
5. System according to any other preceding claims, wherein the transmission of the data is taking place via HTTP, FTP, SSL, TLS, or SMTP protocols.
6. System according to one of the preceding claims, wherein the transmission of the data takes place via HTTP, and that furthermore protocols for the communication with proxy servers or for the transmission of data via proxy server from and to the content server can be supported or configured, respectively.
7. System according to one of the preceding claims, wherein the at least one terminal device is provided with, as a media output channel, a loudspeaker and/or a head phone jack, and/or one or several connectors for the connection of local telephones and/or a local telephone system, wherein in case of such a telephone connector at the same time at least one interface for the connection to an external telephone line is provided.
8. System according to claim 7, wherein the terminal device is designed such as to receive incoming calls via the external telephone line and to put them into an on hold loop, which preferentially is structured in function of the state of the local telephone system or of the local telephones and/or depending on specific input, and which plays at least one audio

file in accordance with a direction protocol in if need be interactive manner.

9. System according to one of the preceding claims, wherein the protocol in the terminal device controls the output or playback of the audio files with respect to sequence and/or time.
10. System according to one of the preceding claims, wherein the terminal devices additionally periodically and self-dependently fetch and/or update direction protocols which are made available on the content server specifically for each individual terminal device and/or the current time.
11. System according to one of the preceding claims, wherein the terminal devices transfer a signature, version or check sum as a confirmation to the content server in case of complete download of audio files or direction protocols, respectively.
12. System according to one of the preceding claims, wherein the accesses having taken place or transmitted, respectively, and/or the transactions and/or the signatures and/or the versions and/or the check sums from the terminal devices are logged on the content server in the management data processing program, and that on the content server the state of the system of the whole system or of individual terminal devices can be checked in particular by using a web browser.
13. System according to one of the preceding claims, wherein the requests of the terminal devices on the content server are substantially equally distributed by means of attribution of staged request times.
14. System according to one of the preceding claims, wherein the

individual terminal devices and/or the content server can be configured by means of a web browser and can be checked in respect of their status by means of a web browser.

15. System according to one of the preceding claims, wherein the terminal devices are also designed for direct streaming of audio files from the content server.
16. System according to one of the preceding claims, wherein the terminal devices are additionally provided with at least one local interface, by means of which the output of specific audio files or a combination of audio files, in particular in the form of messages and/or music files, can be triggered, wherein preferentially direction protocols specifically made available in the terminal device are attributed to these local interfaces, wherein these protocols are coordinating the sequence of audio files upon activation of the local interfaces.
17. System according to one of the preceding claims, wherein the terminal devices are equipped in embedded technology with internal flash memory.
18. System according to one of the preceding claims, wherein the terminal devices are provided with a memory extension possibility by means of commercially available memory media like compact flash, memory stick, SD card or MMC card etc.
19. System according to claim 18, wherein the memory media can be charged/recorded and modified on a commercially available PC or adapter.
20. System according to one of the preceding claims, wherein in

addition to the audio files analogously graphic files are managed, and wherein these are output at the terminal device in coordination with the audio files.

21. System according to one of the preceding claims, wherein the management data processing program is programmed on the content server as a script solution in particular preferably in PHP on a standard web server.
22. System according to one of the claims 1 to 21, wherein the management data processing program is coded as an independent software package on the content server with integrated web server in C#, Java or in an other programming language.
23. Use of a system according to one of the preceding claims as an on hold centre in a telephone network, for the generation of background music in particular in hotels and/or in business locations, for the management of audio information and audio advertisement, respectively, in elevators, public rooms, toilets and/or for the specific output of messages on specifically provided information posts.
24. Method for the management and output of audio files by use of a system comprising
at least one content server with at least one processor, means for storing data as well as with at least one network interface,
at least one terminal device with at least one processor, internal means for storing data as well as at least one network interface, as well as
a network, by means of which the at least one content server and the at least one terminal device are in data connection by means of the respective network interfaces,

wherein,

a management data processing program is provided on the content server, by means of which specific audio files are made available to specific terminal devices, wherein

the at least one terminal device outputs the audio files by means of a media output channel, and wherein

the at least one terminal device periodically and self-dependently fetches and updates, respectively, the audio files as specifically made available on the content server for the specific terminal device by means of a TCP/IP protocol, and wherein it outputs these files in accordance with a protocol saved in the terminal device by using the media output channel, wherein preferably a system according to one of the claims 1 to 22 is used.

25. Management data processing program for use on a content server of a system according to one of the claims 1 to 22, or for use in a process according to claim 24, respectively.
26. Terminal device for use in a system according to one of the claims 1 to 21, wherein the terminal device exclusively comprises at least one processor, internal means for storing data as well as at least one network interface and one media output channel, wherein the media output channel is a loud speaker and/or interfaces for connection to a local and/or external telephone system.